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1 [Computational Linguistics: Models, Resources, Applications](#)

Anna Feldman

September 2006 Computational Linguistics, Volume 32 Issue 3

Publisher: MIT Press

 Full text available: [pdf\(41.52 KB\)](#) [Additional Information: full citation, references, index terms](#)
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2 [Application-level power management in pervasive computing systems: a case study](#)

Luca Negri, Domenico Barretta, William Fornaciari

April 2004 CF '04: Proceedings of the 1st conference on Computing frontiers

Publisher: ACM

 Full text available: [pdf\(214.86 KB\)](#) [Additional Information: full citation, abstract, references, index terms](#)

In this paper we propose an application-level power consumption modeling and optimization technique for mobile devices. The application being considered is modeled as a FSM and the power consumption figures are associated with it through current measurements ...

 Keywords: [pervasive computing](#), [power management](#), [virtual campus](#)

Bay Area E-
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Apart With E-
Commerce Unit
to Your Product
[www.WebEnertia.co](#)

3 [Framework for mining web content outliers](#)

Malik Agyemang, Ken Barker, Reda Alhajj

 March 2004 SAC '04: Proceedings of the 2004 ACM symposium on Applied computing
 Publisher: ACM

 Full text available: [pdf\(136.47 KB\)](#) [Additional Information: full citation, abstract, references, cited by, index terms](#)

Outliers are data objects with different characteristics compared to other data objects. Exploring the diverse and dynamic web data for outliers is more interesting than finding outliers in numeric data sets. Interestingly, the existing web mining algorithms ...

 Keywords: [content-specific algorithms](#), [data mining](#), [resource extraction](#), [web outliers](#)

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4 Teaching artificial intelligence using web-based applications

Margaret Manella Kozak

October 2006 Journal of Computing Sciences in Colleges, Volume 22 Issue 1

Publisher: Consortium for Computing Sciences in Colleges

Full text available:  pdf(334.77 KB) Additional Information: full citation, abstract, references, index terms

Instructors teaching courses in artificial intelligence are challenged to illustrate how various topics covered in class can be applied to everyday computing applications. As an instructor of an artificial intelligence course, one can often sense a student's ...


5 Application independent metadata generation



Jürgen Belizki, Stefania Costache, Wolfgang Nejdl

November 2006 CAMA '06: Proceedings of the 1st international workshop on Contextualized attention metadata: collecting, managing and exploiting of rich usage information

Publisher: ACM

Full text available:  pdf(564.39 KB) Additional Information: full citation, abstract, references, index terms

To efficiently support personal ways of desktop usage, we have to unleash the power of implicit metadata thus giving local data a well defined meaning. To achieve this, contextual information across heterogeneous media types, file formats, and applications ...


Keywords: contextualized metadata

6 Energy-efficient platform designs for real-world wireless sensing applications

P. H. Chou, Chulsung Park

May 2005 ICCAD '05: Proceedings of the 2005 IEEE/ACM International conference on Computer-aided design

Publisher: IEEE Computer Society

Full text available:  pdf(439.17 KB) Additional Information: full citation, abstract, references

Real-world wireless sensing applications demand system platforms with a wide range of size, cost, power consumption, connectivity, performance, and flexibility requirements. These goals cannot be achieved without understanding the nature of the sensing ...


7 Representing linear algebra algorithms in code: the FLAME application program interfaces



Paolo Bientinesi, Enrique S. Quintana-Orti, Robert A. van de Geijn

March 2005 ACM Transactions on Mathematical Software (TOMS), Volume 31 Issue 1

Publisher: ACM

Full text available:  pdf(415.14 KB) Additional Information: full citation, abstract, references, cited by, index terms

In this article, we present a number of Application Program Interfaces (APIs) for coding linear algebra algorithms. On the surface, these APIs for the MATLAB M-script and C programming languages appear to be simple, almost trivial, extensions of those ...

Keywords: Application program interfaces, formal derivation, high-performance libraries, linear algebra

8 Detecting age of page content



Adam Jatowt, Yukiko Kawai, Katsumi Tanaka

November 2007 WIDM '07: Proceedings of the 9th annual ACM international workshop on Web information and data management

Publisher: ACM

Full text available: pdf(577.44 KB) Additional Information: full citation, abstract, references, index terms

Web pages often contain objects created at different times. The information about the age of such objects may provide useful context for understanding page content and may serve many potential uses. In this paper, we describe a novel concept for detecting ...

Keywords: age detection, document annotation, metadata, web archive

9 Enhancing an e-commerce course with wireless application protocol (WAP) programming

Rahul V. Tikekar

December 2001 Journal of Computing Sciences in Colleges, Volume 17 Issue 2

Publisher: Consortium for Computing Sciences in Colleges

Full text available: pdf(333.75 KB) Additional Information: full citation, abstract, references, index terms

In the 2000 meeting of the CCSC, we presented details of an e-commerce course that had been introduced into our curriculum. Since then we have enhanced the course by adding a component that addresses wireless application development. In this paper we ...

10 Evaluating a new approach to strong web cache consistency with snapshots of collected content



Mikhail Mikhailov, Craig E. Wills

May 2003 WWW '03: Proceedings of the 12th international conference on World Wide Web

Publisher: ACM

Full text available: pdf(115.46 KB) Additional Information: full citation, abstract, references, cited by, index terms

The problem of Web cache consistency continues to be an important one. Current Web caches use heuristic-based policies for determining the freshness of cached objects, often forcing content providers to unnecessarily mark their content as uncachable ...


Keywords: cache consistency, change characteristics, collected content, object composition, object relationships, server invalidation, web caching

11 Witan web and the software engineering of web-based applications

J. Howard Johnson, Stephen A. Mackay

November 2000 CASCON '00: Proceedings of the 2000 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available:  pdf(953.32 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)



WitanWeb is a web-based application that supports the interactions among program committee members, authors, and reviewers for the refereeing process of conferences. Since development began in 1997, it has evolved a great deal to support the requirements ...

12 Benchmarking XML processors for applications in grid web services

Michael R. Head, Madhusudhan Govindaraju, Robert van Engelen, Wei Zhang

November 2006 SC '06: Proceedings of the 2006 ACM/IEEE conference on Supercomputing

Publisher: ACM

Additional Information: [full citation](#),Full text available:  pdf(199.06 KB)  html(2.32 KB) [abstract](#), [references](#), [index terms](#)

Web services based specifications have emerged as the underlying architecture for core grid services and standards, such as WSRF. XML is inextricably inter-twined with Web services based specifications, and as a result the design and implementation of ...

Keywords: XML, benchmarking, multi-core

13 Faster web applications with SCGI

Jeroen Vermeulen

June 2007 Linux Journal, Volume 2007 Issue 158

Publisher: Specialized Systems Consultants, Inc.

Full text available:  html(22.56 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)


Can your Web apps go even faster?

14 Web based device independent mobile map applications.: the m-CHARTIS system

John Garofalakis, Theofanis - Aristofanis Michail, Athanasios Plessas

May 2006 WWW '06: Proceedings of the 15th international conference on World Wide Web

Publisher: ACM

Full text available:  pdf(192.47 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

A map is one of the most useful media in disseminating spatial information. As mobile devices are becoming increasingly powerful and ubiquitous, new possibilities to access map information are created. However, mobile devices still face severe constraints ...

Keywords: handheld devices, mobile cartography, mobile devices, mobile map application

15 [Interacting with hidden content using content-aware free-space](#)



[transparency](#)

Edward W. Ishak, Steven K. Feiner

October 2004 UI ST '04: Proceedings of the 17th annual ACM symposium on User interface software and technology

Publisher: ACM

Full text available: pdf(526.25 KB) Additional Information: full citation, abstract, references, cited by, index terms

We present <i>content-aware free-space transparency</i>, an approach to viewing and manipulating the otherwise hidden content of obscured windows through unimportant regions of overlapping windows. Traditional approaches to interacting with otherwise ...

Keywords: content disambiguation, interaction techniques, pie menu, screen space, space management, transparency

16 [Developing a synchronous web seminar application for online learning](#)



Michael D. Ciocco, Neil Toporski, Michael Dorris

November 2005 SIGUCCS '05: Proceedings of the 33rd annual ACM SIGUCCS conference on User services

Publisher: ACM

Full text available: pdf(179.24 KB) Additional Information: full citation, abstract, references, index terms

Many higher education institutions are searching for cost effective tools for the delivery of a feature rich, synchronous online learning environment. While there are commercially viable web conferencing products available to enhance the online education ...

Keywords: collaboration, communication, conferencing, presentation, synchronous, virtual, web

17 [A web architecture for progressive delivery of 3D content](#)



Efi Fogel, Daniel Cohen-Or, Revital Ironi, Tali Zvi

February 2001 Web3D '01: Proceedings of the sixth international conference on 3D Web technology

Publisher: ACM

Full text available: pdf(1.59 MB) Additional Information: full citation, references, cited by, index terms

Keywords: geometry compression, multi-resolution, progressive meshes, streaming


18 [Prototyping a novel platform for free-trade of digital content](#)



Renan G. Cattelan, Shan He, Darko Kirovski

November 2006 WebMedia '06: Proceedings of the 12th Brazilian symposium on Multimedia and the web

Publisher: ACM

Full text available:  pdf(502.96 KB) Additional Information: full citation, abstract, references, index terms

The widespread use of mobile, personal computing devices, together with recent advances in wireless communication technologies, pose a myriad of new opportunities for leveraging the commerce of digital goods. We envision a novel platform for the free-trade ...

Keywords: digital content trading, electronic commerce, mobile commerce, mobile electronic marketing, off-line economies, viral marketing, word-of-mouth


19 Navigating in a mobile XHTML application



Anne Kaikkonen, Virpi Roto

April 2003 CHI '03: Proceedings of the SIGCHI conference on Human factors in computing systems

Publisher: ACM

Full text available:  pdf(247.55 KB) Additional Information: full citation, abstract, references, cited by, index terms

The Internet has been a great success in the fixed world, whereas WAP (Wireless Application Protocol), the mobile Internet, has not fulfilled its promise. However, now the analysts have started to believe in a rise of the mobile Internet again. WAP 2.0, ...

Keywords: WAP, XHTML mobile profile, mobile internet, mobile phones, navigation, wireless web


20 Pricing digital content with DRM mechanism



Yung-Ming Li, Chia-Hao Lin

August 2007 I CEC '07: Proceedings of the ninth international conference on Electronic commerce

Publisher: ACM

Full text available:  pdf(301.91 KB) Additional Information: full citation, abstract, references, index terms

The Internet and file sharing technology (such as P2P network) significantly alleviate the content distribution cost. However, better digital content distribution also means that people can acquire any digital contents easier without purchasing the digital ...

Keywords: DRM, competition, digital content, integration, pricing strategy

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